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SURVEYING • MATERIALS TESTING • TECHNICAL SERVICES



# UTILITY INFRASTRUCTURE SOLUTIONS



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**WATER ■ ELECTRICAL ■ COMMUNICATION**



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ZT-32 KF



ZT-42



ZT-50 / 100 A

## TECHNICAL SPECIFICATION

	ZT-32KF	ZT-42	ZT-50 / 100 A
MAX TORQUE:	12,000 N.m	18,500 N.m	27,500 N.m
ROTATION SPEED:	0-145 rpm	0-165 rpm	0-160 rpm
MAX PULLING/ THRUST FORCE:	320 KN	420 KN	500/1000 KN
CUMMINS ENGINE:	153 kW / 2200 rpm	179 kW / 2200 rpm	194 kW / 2200 rpm
PULLING SPEED:	0-50 m/min	0-50 m/min	0-50 m/min
WALKING SPEED:	2-4 km/h	2.3 km/h	2.5-3.25 km/h
ENTRY ANGLE:	8-20°	8-20°	8-20°
MAX DIAMETER (MM)	800 mm	1100 mm	1500 mm
WEIGHT:	8,500 kg	14,000 kg	16,500 kg
DIMENSION (M) :	6.2 x 2.28 x 2.5	7 x 2.28 x 2.5	8.5 x 2.36 x 2.55

## ACCESSORIES



DRILL RODS



REAMER



DRILL HEAD KIT & SUBSAVER



MUD MIXING TANK

## FEATURES



The thrusting and pulling mechanisms utilize a rack and pinion structure for stable performance, while the semi-automatic arm swing enhances efficiency and reduces operational cost.



The main components of the drilling rig's hydraulic system are sourced from well-known brands, ensuring strong power and dependable performance.



Rotation and thrusting operate at infinitely variable speeds with high transmission efficiency. Thrusting includes an acceleration system that effectively enhances working efficiency.

## AERIAL PLATFORM MAN LIFT PICK UP TRUCK AND LIGHT TRUCK



## GROUND PENETRATING RADAR (GPR)

### LEICA DSX GPR



### LEICA DS4000



### IDS GEORADAR STREAM DP



### LEICA ULTRA LOCATOR



#### Technical Specification:

Frequency range:	50 Hz - 200 kHz
Sensitivity:	33 kHz (1uA at 1 m)
Depth:	max 6 m (20 ft)
Battery life (max):	30 hrs continuous 70 hrs intermittent
Weight:	2.2 kg (4.8 lb) Locator 3.4 kg (7.7 lb) Transmitter
Transmitter output power:	12 watt
Enabled frequencies:	512 Hz, 3.14 kHz, 8.192 kHz, 32.768 kHz, 83.1 kHz, 200 kHz
Custom frequencies:	Up to 100 custom frequencies from 256 Hz - 83 kHz

### C-THRU CONCRETE SCANNER



#### Technical Specification

Antenna Center Frequency	2.0 GHz
Antenna Polarisation	Horizontal and Vertical
Number of Radar Channels	2 (dual-polarised antennas)
Scan Interval	Up to 10 scans/cm
Depth Range	Up to 80 cm (up to 31.5 in.)
Positioning System	"Virtual Pad" (based on 3 High safety - Class 1 laser sensors with reflective bar)
AC Power Conduits Detection	EM sensor integrated (50/60 Hz)

### DCI FALCON LOCATOR



DIGITAL CONTROL

#### Technical Specification

Product ID / Model Number	FF2+ / FAR2
Receiving Frequencies	4.5-45 kHz
Accuracy	±5% up to max depth range
Transmitter Depth Range <sup>1,2</sup>	Up to 160ft (48m)
Transmitter Data Range <sup>1,2</sup>	Up to 200ft (61m)
Battery Life <sup>3</sup>	Up to 14 hrs

### DCI TERATRAK TERRAIN MAPPING



#### Technical Specification

Accuracy Two-way (elevation) <sup>1</sup>	+2in (5cm) over 500ft (152m)
Accuracy Two-way (elevation) <sup>2</sup>	+2in (5cm) over 100ft (30m)
Battery	Built-in lithium-ion battery pack
Voltage, current	5.0 VDC nominal, 500 mA max
Weight	141lbs (6.35kg)
Compatible Phone App <sup>2</sup>	Apple & Android

### BATTERY DRIVEN HYDRAULIC CUTTING TOOL



#### Technical Specification

Working Force	120 kN
Cutting Capacity	Copper-aluminum armored cable
Opening Size	Diameter 105mm
Tool Weight	9.5 kg (with battery)
Charging Time	About 80 min
Cycles Per Charge	10KV 3x400mm <sup>2</sup> YJV22 cable, about 80

### BATTERY DRIVEN HYDRAULIC CRIMPING TOOL



#### Technical Specification

Working Force	120 kN
Crimping Range	16-400mm <sup>2</sup> (copper)
Opening Size	42 mm
Tool Weight	6.4 kg (with battery)
Charging Time	About 80 min
Cycles Per Charge	185mm <sup>2</sup> DIN copper, about 300

### HDPE MICRODUCT AND TUBE BUNDLE



#### Technical Specification

Sheath	Orange, Blue or customized
Thickness of sheath	
Ripcord	Customized
Tracing wire	

### HD25 MINI EXCAVATOR



#### Technical Specification

Engine Output	17.5 kW/2,200min <sup>-1</sup>
Operating Weight	2,500 kg
Bucket Capacity	1/4 m <sup>3</sup>
Maximum Digging Depth	2,440 mm

- Fusion Splicer - Tool Kit
- OSP Tools and Equipment
- HDPE Handhole & Manhole
- Fiber Blowing Machine
- HDD Downhole Tools



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